UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

# NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

02/19/2004

McGinn & Gibb,PLLC 8321 Old Courthouse Road, Suite 200 Vienna, VA 22182-3817 EXAMINER

GEYER, SCOTT B

ART UNIT

PAPER NUMBER

2829

DATE MAILED: 02/19/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
00/830 208	04/23/2001	Michitaka Urushima	NEC01P030-HSC	3167

TITLE OF INVENTION: SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD OF THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/19/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment f maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this f rm, together with applicable fee(s), to: Mail

02/19/2004

Mail St p ISSUE FEE Commissioner f r Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 r <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for

maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

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7590

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission I hereby certify that this Fec(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)	
(Signature)	
(Date)	

APPLICATION NO.	NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO. CONFIRMATION	
09/839.298	04/23/2001	Michitaka Urushima	NEC01P030-HSC	3167

TITLE OF INVENTION: SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD OF THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FE	E	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330		\$300	\$1630	05/19/2004
EXAMINER		ART UNIT		CLASS-SUBCLASS	]	
GEYER, SCOTT B 28		2829		438-106000	-	
Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).      Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.      "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			names of agents Ol firm (hav agent) an	nting on the patent front page, up to 3 registered patent a R, alternatively, (2) the name ing as a member a registered d the names of up to 2 regist or agents. If no name is listented.	ttorneys or 1 of a single attorney or 2 ered patent	

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or cate	egories (will not be printed on the patent);	☐ individual	corporation or other private group entit	y 🗅 governmen
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):			
☐ Issue Fee	☐ A check in the am	ount of the fee(s)	is enclosed.	
☐ Publication Fee	Payment by credit	card. Form PTO-	2038 is attached.	
☐ Advance Order - # of Copies	☐ The Director is h Deposit Account Nu		by charge the required fee(s), or credit an (enclose an extra copy of th	
Director for Patents is requested to apply the Issue Fe	e and Publication Fee (if any) or to re-apply	any previously p	oaid issue fee to the application identified ab	ove.
(Authorized Signature)	(Date)			
NOTE; The Issue Fee and Publication Fee (if req other than the applicant; a registered attorney or interest as shown by the records of the United States	uired) will not be accepted from anyone agent; or the assignee or other party in Patent and Trademark Office.			
This collection of information is required by 37 C obtain or retain a benefit by the public which is tapplication. Confidentiality is governed by 35 U.S.C estimated to take 12 minutes to complete, including completed application form to the USPTO. Time case. Any comments on the amount of time you suggestions for reducing this burden, should be sepatent and Trademark Office, U.S. Department 22313-1450. DO NOT SEND FEES OR COMP SEND TO: Commissioner for Patents, Alexandria,				
Under the Paperwork Reduction Act of 1995, n	o persons are required to respond to a			



## United States Patent and Trademark Office

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Vienna, VA 22182-			ART UNIT	PAPER NUMBER	
, , , , , , , , , , , , , , , , , , ,			2829	<del></del>	
			DATE MAILED: 02/19/2004	4	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Application/Control Number: 09/839,298

Art Unit: 2829

### **DETAILED ACTION**

### Information Disclosure Statement

The references cited on the IDS, received on 9-4-03, have been reviewed.

## Allowable Subject Matter

Claims 1, 3-8, 25 and 31 are allowed.

The following is an examiner's statement of reasons for allowance:

The previous office action, dated July 28, 2003, indicated claims 3, 5-8 and 25 as allowable. The applicant has also properly amended claims 1 and 31 to indicate allowable subject matter as was noted in the previous office action. Claim 4 is dependent upon claim 1. All other claims have been cancelled by the applicant.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

# Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott B. Geyer whose telephone number is (703) 306-5866 (after 1-13-04, the examiner may be reached at 571-272-1958). The examiner can normally be reached on weekdays, between 10:00am - 6:30pm. E-mail: <a href="mailto:scott.geyer@uspto.gov">scott.geyer@uspto.gov</a>

MC

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	09/839,298	URUSHIMA, MICH	ITAKA			
Notice of Allowability	Examiner	Art Unit				
	Scott B. Geyer	2829	_			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.						
<ol> <li>This communication is responsive to <u>an amendment filed 1</u></li> <li>The allowed claim(s) is/are <u>1,3-8,25 and 31</u>.</li> <li>The drawings filed on <u>09 August 2002</u> are accepted by the</li> <li>Acknowledgment is made of a claim for foreign priority un</li> <li>All b) Some* c) None of the:</li> <li>Certified copies of the priority documents have</li> </ol>	Examiner. der 35 U.S.C. § 119(a)-(d)	or (f).				
		on No				
<ul> <li>2.  Certified copies of the priority documents have been received in Application No</li> <li>3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> <li>5.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.</li> <li>(a)  The translation of the foreign language provisional application has been received.</li> <li>6.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.</li> <li>Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> <li>7.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.</li> </ul>						
<ul> <li>8.  CORRECTED DRAWINGS (as "replacement sheets") mus</li> <li>(a)  including changes required by the Notice of Draftspers</li> <li>1)  hereto or 2)  to Paper No</li> <li>(b)  including changes required by the proposed drawing or</li> <li>(c)  including changes required by the attached Examiner's</li> </ul>	on's Patent Drawing Revie	ch has been approved by the B				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the margin according to 37 C	the drawings in the front (not th FR 1.121(d).	e back) of			
9. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FOR T	sit of BIOLOGICAL MAT HE DEPOSIT OF BIOLOG	ERIAL must be submitted. ICAL MATERIAL.	Note the			
Attachment(s)						
1☐ Notice of References Cited (PTO-892)	5  ☐ Notice of Inf	formal Patent Application (PTC	D-152)			
2 Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413), Paper No.	··			
3⊠ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No. <u>0903</u>	<sup>),</sup> 7∐ Examiner's .	Amendment/Comment				
4 Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's 9∐ Other	Statement of Reasons for Allo  KALSAND BUNEO  SIGNATURE AND TWO  THOUGHT OF CLEAN ARE	NIMER			

Application/Control Number: 09/839,298

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Page 3

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (703) 308-1233. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9318.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

506 12/5/03

SBG December 5, 2003

SUPERVISORY PARTY NAMES
THOUSE CONTINUES TO 2000